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MICROARRAY BASED ANALYSIS OF RHEUMATOID ARTHRITIS MARKERS

Petchpud et al.

Appl. No.: 10/719,770 Atty Docket: MGENE.016A

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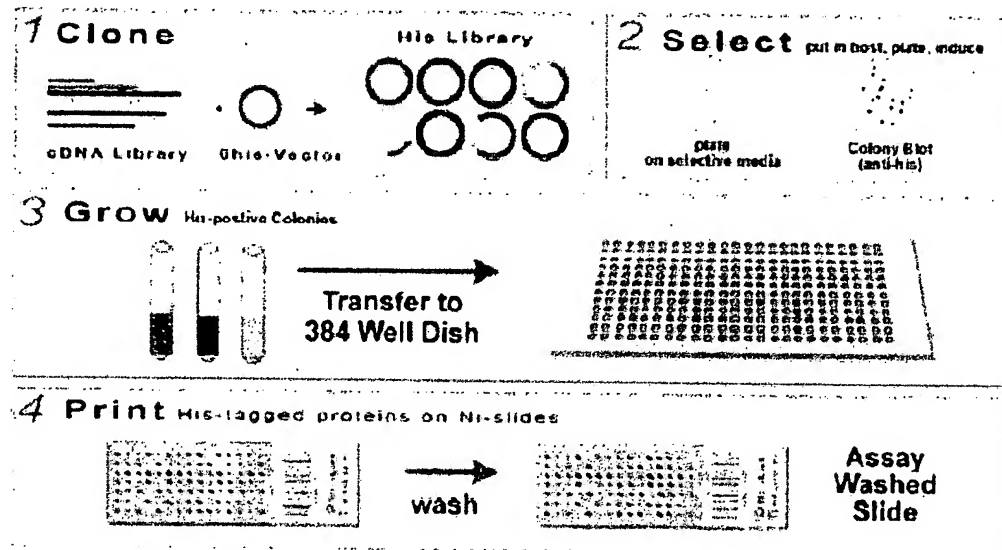


FIG. 1

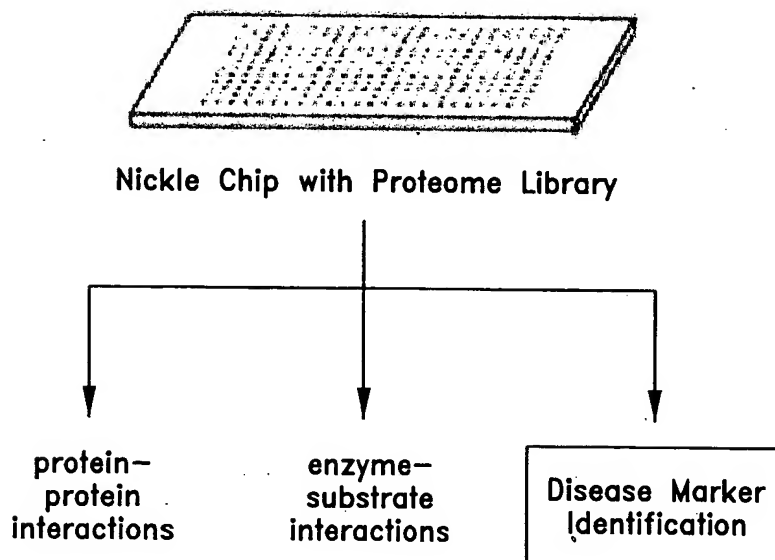


FIG. 3

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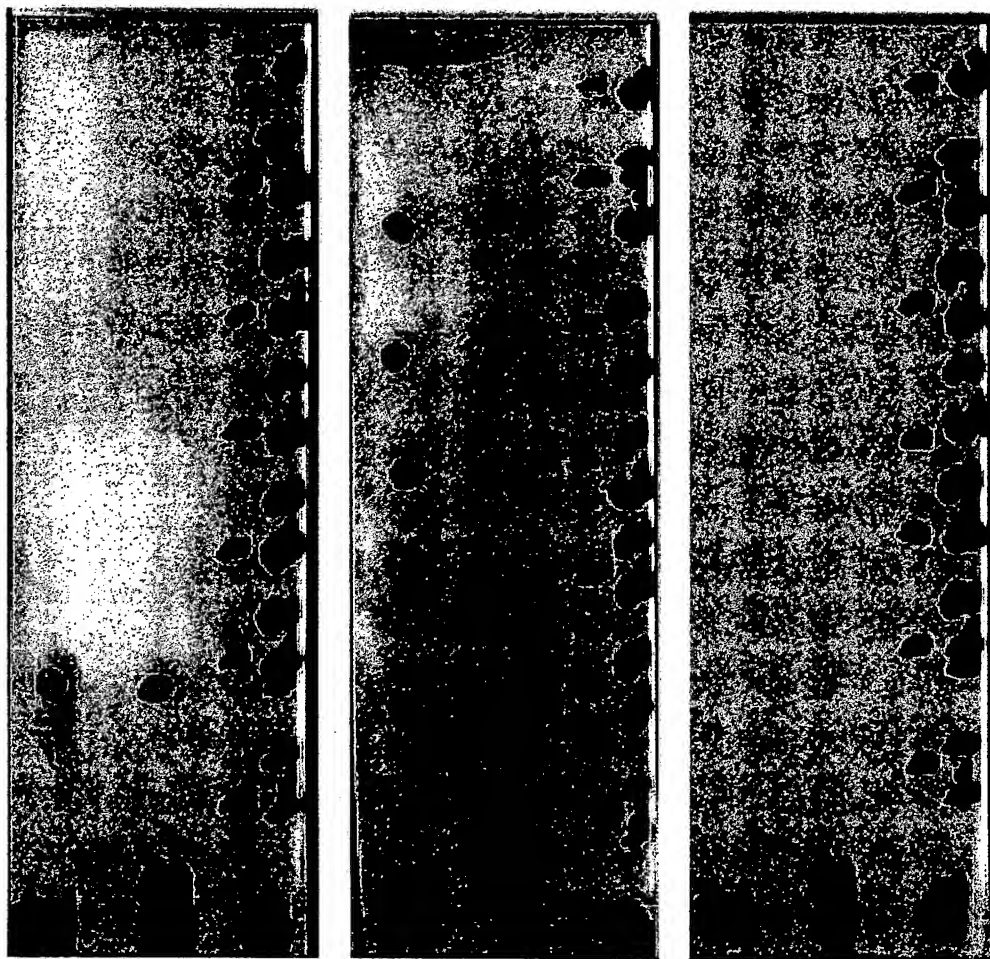
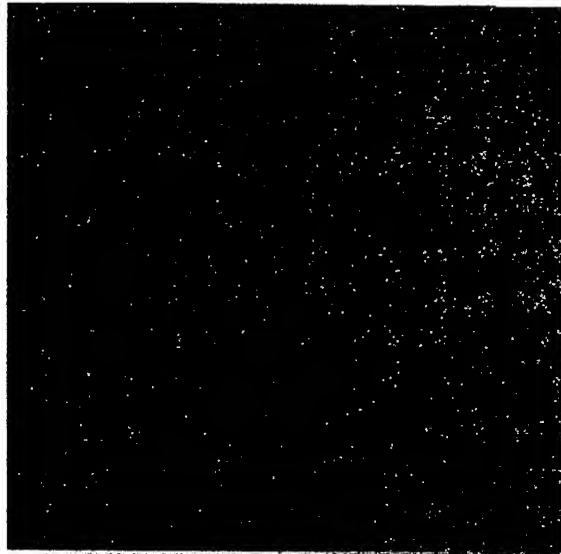
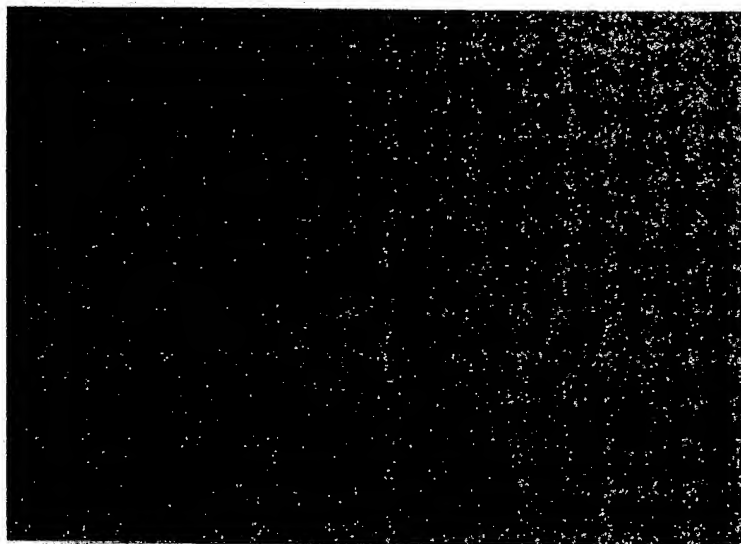


FIG. 2

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Control
1:500



Rheumatoid
Arthritis
1:500

FIG. 4

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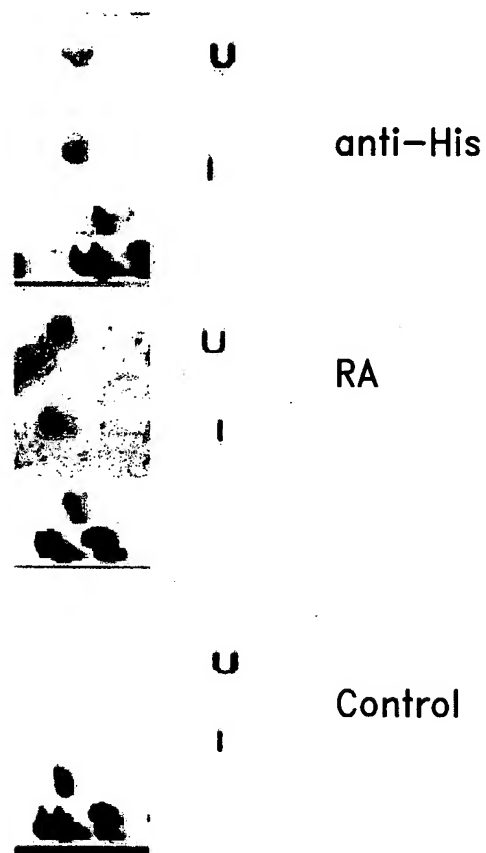
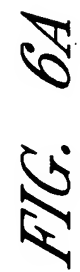


FIG. 5



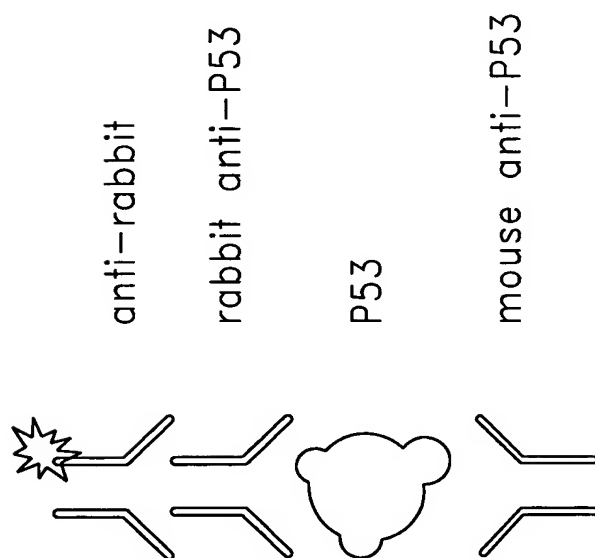


FIG. 6B

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Gene — P53 Capture Assay

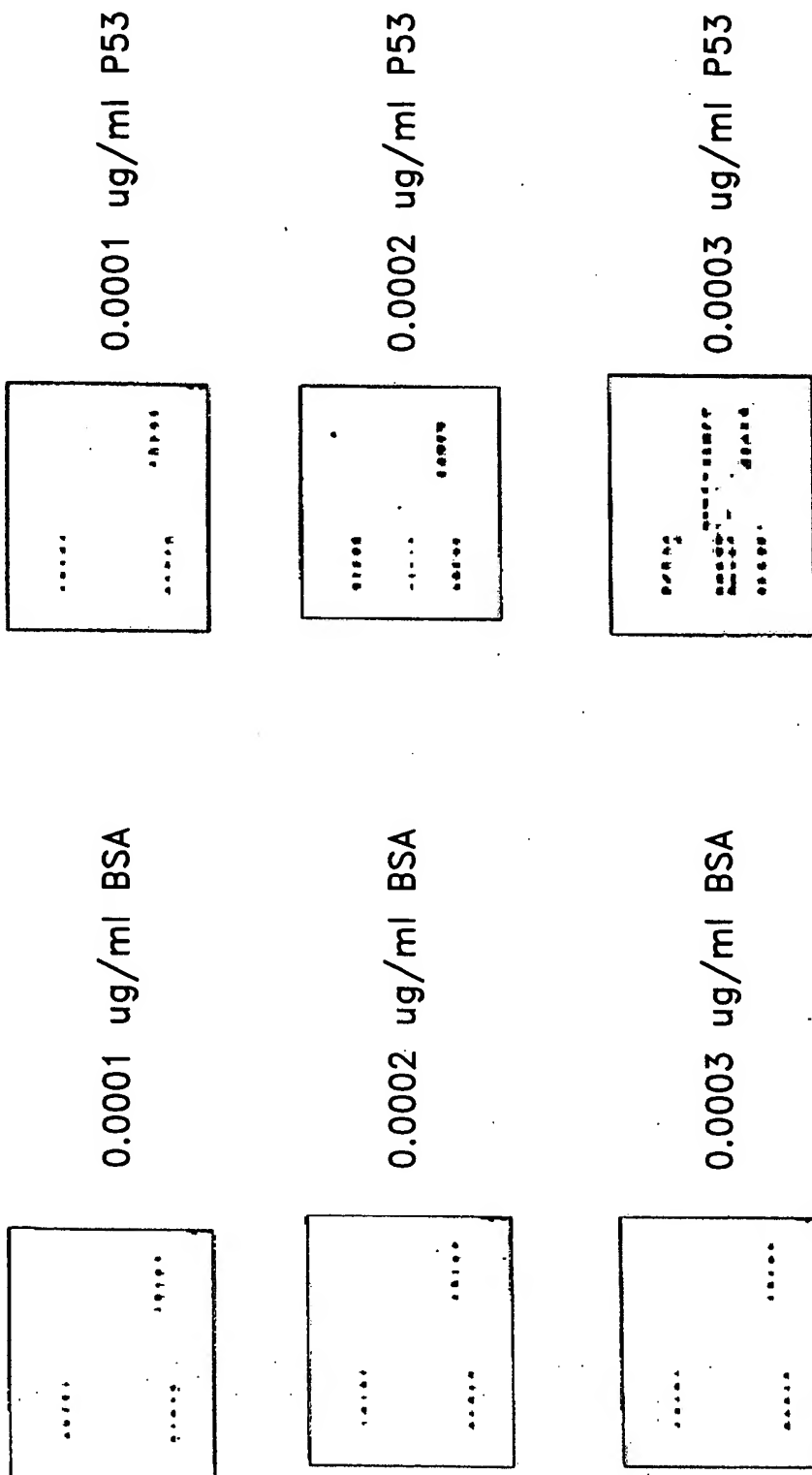
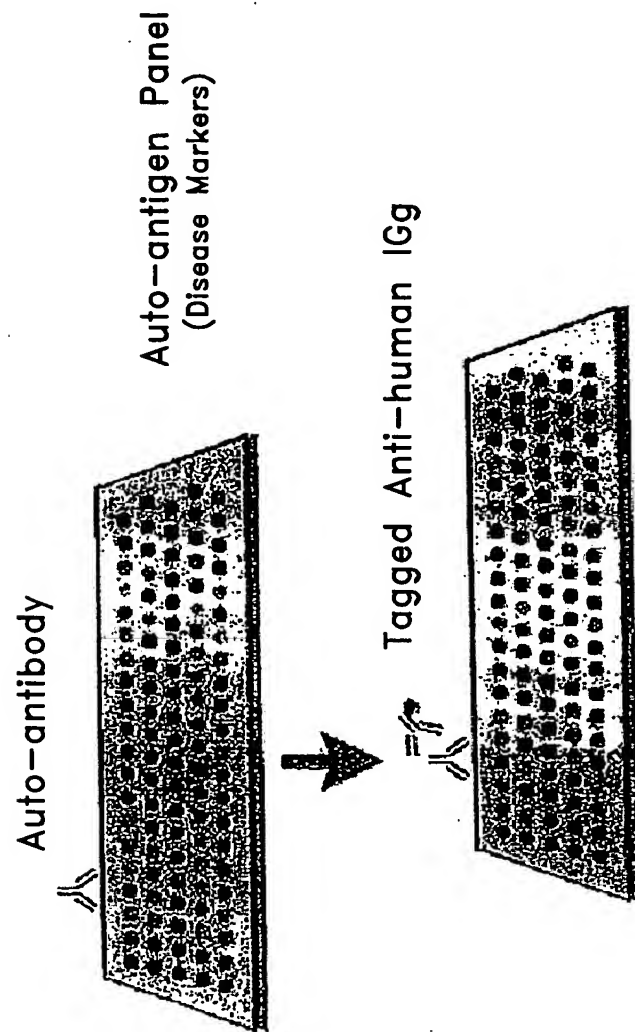


FIG. 6C

FIG. 7A

Example 2:
Western Blot Type Assay



Experiment in Progress: Identify Autoimmune disease specific profiles based on hundreds—thousands of antigens

Autoimmune Disease Assay Antigens

<ul style="list-style-type: none"> • SSB • Sm • Smith • pANCA • myeloperoxidase 	<ul style="list-style-type: none"> • Apolipoprotein H • Sci-70 • DNA topoisomerase • Sm/RNP • Scl-70 • Mitochondial Antigen • Plasmid DNA • proliferating Cell nuclear antigen • SSA • Clq • SRC • Smith/RNP complex antigen • Whole Histone • Histone F2b • Histone F2a2 • Histone F3 and F2a1 • Histone F1 	<ul style="list-style-type: none"> • Brain fraction 1 • Brain Fraction 16 • Thymus fraction 15 • Thymus fraction 16 • Lymph fraction 6 • Lymph fraction 16 • Spleen fraction 13 • Kidney fraction 15 • Thymus Fraction 16 • Lymph Fraction 6 • Lymph Fraction 16 • Spleen Fraction 13 • Kidney Fraction 15
<ul style="list-style-type: none"> • neutrophil cytoplasmic antigen • cANCA • proteinase 3 • Jo-1 • histidyl tRNA synthetase • ApoH 		<p>RA, Kidney cDNA Library recombinant proteins</p>

FIG. 7B

MICROARRAY BASED ANALYSIS OF RHEUMATOID ARTHRITIS MARKERS

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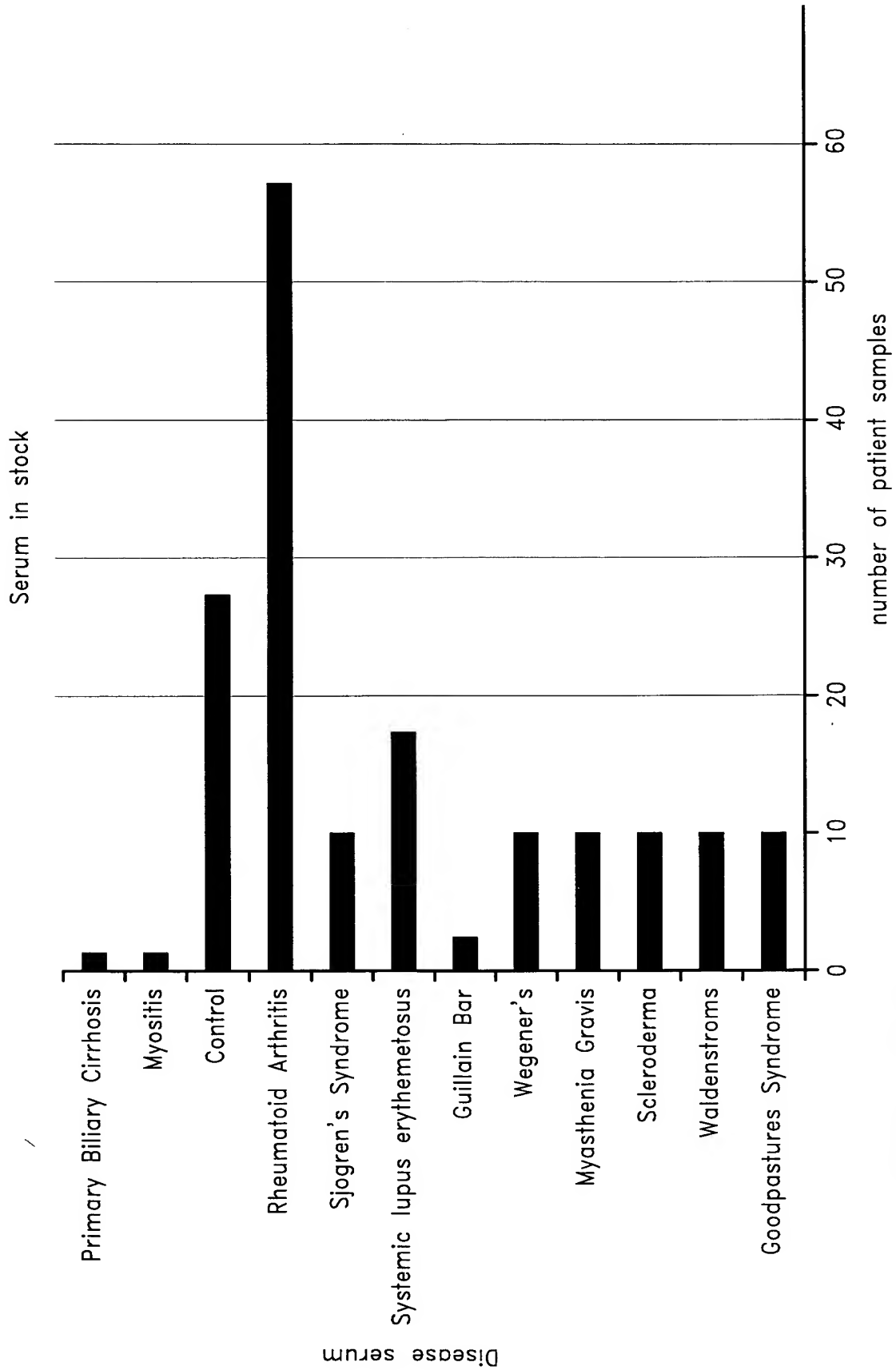


FIG. 7C

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Lupus Titration

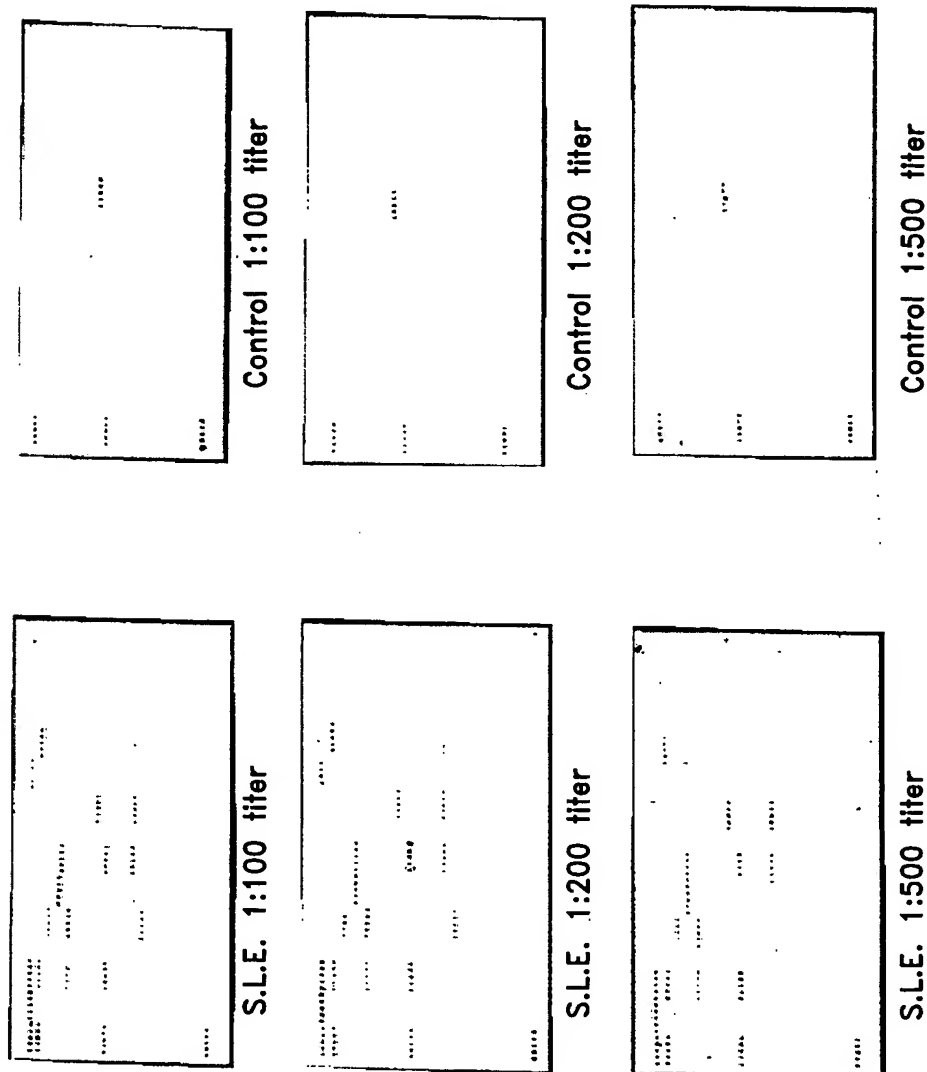
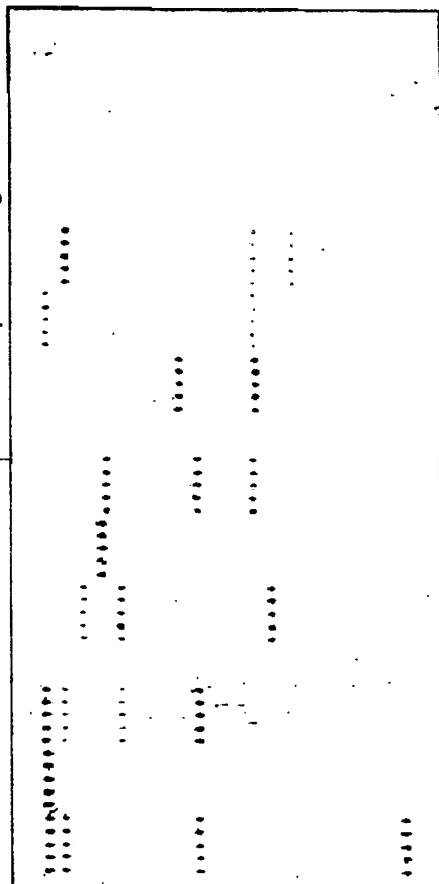


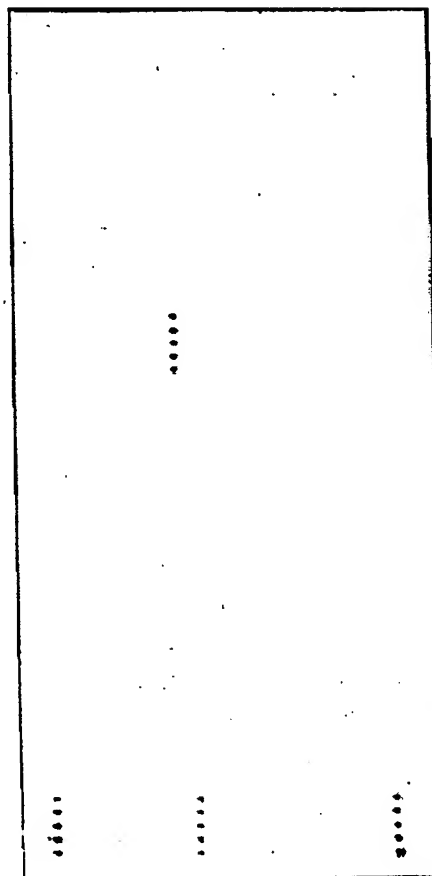
FIG. 7D

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S.L.E. 1:100 titer with corresponding markers



Control 1:100 titer



A=Secondary antibody
B=SSA (Sjogren syndrome type A antigen)
C=SSB (Sjogren syndrome type B antigen)
D=SRC (Smith/ribonucleoprotein Complex)
E=MIT (mitochondrial antigen)
F=RAG (recombination activating Protein)
G=whole histone
I=F2A2
J=H2b

FIG. 7E

Sjogrens titration

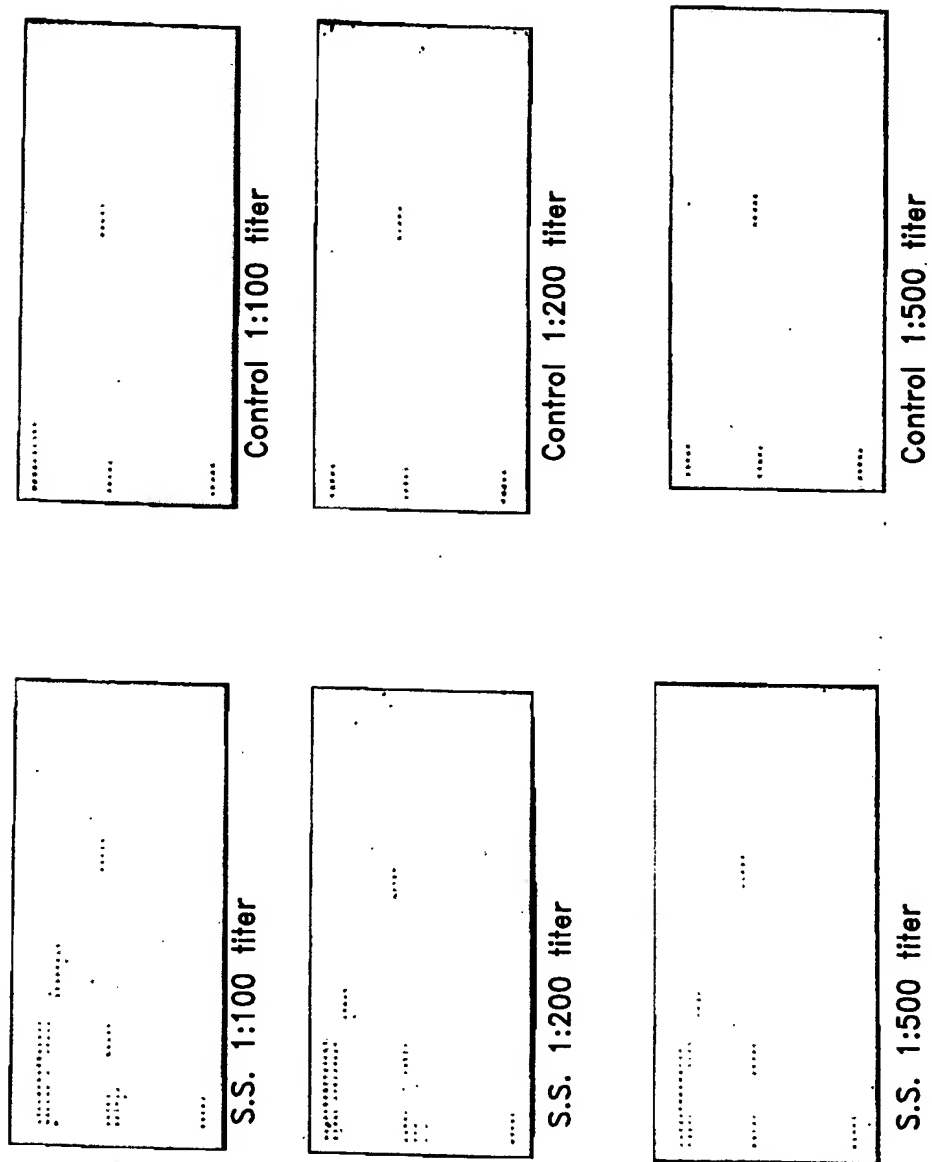


FIG. 7F

